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Please find attached the **Summary of Communicable Diseases for the Month of January 2006**. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of January 2006.

Communicable Diseases

In total, there were **337** new infections occurring across 22 communicable diseases** (excluding sexually transmitted infections and HIV) in January 2006. The observed number of cases were within the expected range for most of the reported communicable diseases with the exception of Methicillin resistant staphylococcus aureus (MRSA; 129 cases observed; expected range = 0-91 cases) and Herpes with unspecified complications (2 cases observed; 0 cases expected). The expected number of cases and accompanying range is based on the number of cases during December 2000-2004, January and February 2001-2005.

In January, Clostridium difficile and MRSA each accounted for one-third of all non-STI/HIV related communicable diseases reported to Manitoba Health. Both MRSA and C. difficile tend to be concentrated in the 60+ age group (accounting for 40% to 80% of all cases, respectively); although MRSA is found in all age groups.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **486** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in January: 331 cases of chlamydia (Ct), 104 cases of gonorrhoea (GC), 45 GC-Ct co-infections, and 6 cases of syphilis. About 60% of all GC and Ct cases in the province were reported among youth aged 15-24 years. More than half of all GC and Ct cases were reported for individuals living in the Winnipeg health region (52.3%), and an additional 17.5% were from the Burntwood health region.

In January **26** individuals tested positive for hepatitis C (HCV), 69% of whom were reported from the Winnipeg health region. More than 70% of cases were reported in males, mostly in the 40-59 year age groups.

Ten Manitobans tested positive for HIV in January, 2006; six of these new cases were among females.

*Note: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

**Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

ascariasis (ICD9: 127.0)
clostridium difficile (ICD9: 558.2)
leishmaniasis – unspecified (ICD9: 085.9)
methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)
penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)
schistosomiasis (ICD9: 120)
streptococcus pneumoniae – other site (ICD9: 041.2)
strongyloides (ICD9: 127.2)
tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)
vancomycin resistant enterococci (VRE)

Cheers,

Dr. Carole Beaudoin
Epidemiologist, Communicable Diseases

SUMMARY OF COMMUNICABLE DISEASE FOR January 2006

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2005	2006	Expected*	Ex. Range**	2005	2006
006.9	AMEBIASIS	2	1	3	0-6	2	1
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-2		
005.8	B. CEREUS			0	0-1		
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-1		
320.1	BAC. MENINGITIS - PNEUM	1		1	0-4	1	
320.3	BAC. MENINGITIS - STAPH			0	0-1		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS	1	1	2	0-9	1	1
008.43	CAMPYLOBACTER	16	10	12	3-21	16	10
558.2	CLOSTRIDIUM DIFFICILE		113		***		113
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS		2	1	0-3		2
065.4	DENGUE FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP			0	0-1		
008.0	E. COLI-VEROTOXIGENIC	3	4	3	0-10	3	4
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	4	7	9	1-17	4	7
041.5	H.I.B.-NON MTGS			0	0-1		
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		
070.1	HEPATITIS A	1	1	1	0-3	1	1
070.3	HEPATITIS B			0	0-1		
070.51	HEPATITIS C	41	26	41	21-61	41	26
054.8	HERPES-W-UNSPEC COMPL		2	0	0-0		2
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA	1		0	0-1	1	
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES			0	0-1		
088.81	LYME DISEASE			0	0-0		
084	MALARIA		2	1	0-3		2
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF		1	0	0-2		1
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCEMIA BLOOD	2		0	0-1	2	
B95.6	MRSA/VRSA	76	129	41	0-91	76	129
072.9	MUMPS		1	0	0-1		1
036.89	N.MENINGITIDIS OTHER		1	0	0-1		1
728.86	NECROTIZING FASCIITIS		2	1	0-3		2
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
002.9	PARATYPHOID			0	0-1		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	8	4	5	0-13	8	4
038.2	PNEUM. SEPTICEMIA	8	3	6	2-10	8	3
073.9	PSITTACOSIS			0	0-0		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2005	2006	Expected*	Ex. Range**	2005	2006
083.0	Q FEVER			0	0-0		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-0		
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER			0	0-1		
003.0	SALMONELLA	13	17	12	2-22	13	17
120	SCHISTOSOMIASIS			0	0-1		
004	SHIGELLOSIS	2	1	1	0-3	2	1
005.0	STAPHYLOCOCCAL			0	0-1		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS			0	0-1		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE			0	0-1		
127.2	STRONGYLOIDES			0	0-1		
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			1	0-5		
124	TRICHINOSIS			0	0-1		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	2		1	0-3	2	
011	TUBERCULOSIS - RESP.	9	4	6	1-11	9	4
010	TUBERCULOSIS-PRIM.			1	0-3		
021.9	TULAREMIA			0	0-1		
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	6	5		***	6	5
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			0	0-1		
047.1	VIRAL MENINGITIS-ECHO			0	0-1		
047.8	VIRAL MENINGITIS-ENTERO				***		
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***		
198	WNV NEUROLOGICAL SYNDROME				***		
197	WNV NON-NEUROLOGICAL SYND				***		
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA	1		0	0-1	1	
		197	**337**			**197**	**337**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR January 2006

		<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 +		Missing	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gender	
006.9	AMEBIASIS																			1					1
036.0	BAC.MGTS-NMGTS(MGCCL MGTS	1																							1
005.2	C. PERFRINGENS																	1							1
008.43	CAMPYLOBACTER		2	2				1						1	1	1					2				10
558.2	CLOSTRIDIUM DIFFICILE				1					1		1		1		1	1	4	7	6		58	32		113
007.8	CRYPTOSPORIDIOSIS																		2						2
008.0	E.COLI 0157										1									1		1	1		4
007.1	GIARDIA LAMBLIA					1	1		1							1	2		1						7
070.1	HEPATITIS A																			1					1
070.51	HEPATITIS C									1		1	1		1		4	4	6		5		2	1	26
054.8	HERPES-W-UNSPEC COMPL													1						1					2
084	MALARIA			1											1										2
B95.6	MRSA/VRSA	2	3	4	2	2	4	4	3	6	4	2	3	3	3	5	8	9	5	2	4	20	31		129
072.9	MUMPS															1									1
728.86	NECROTIZING FASCIITIS																	1			1				2
036.89	NEISSERIA MGTS(0ther)																1								1
033.0	PERTUSSIS	2	1											1											4
003.0	SALMONELLA			2			1			2		1		1		2	2	1	1	3		1			17
004	SHIGELLOSIS																		1						1
038.2	STREP.PNEUMOCOCCAL SEPTIC										1		1					1							3
011	TUBERCULOSIS - RESP.										1						1				1	1			4
B96.8	VANCOMYCIN RES. ENTER.																1	1		1		1	1		5
		5	6	9	3	3	6	5	4	10	7	5	5	8	6	11	20	22	23	16	13	82	67		337

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR January 2006

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
006.9	AMEBIASIS	1																					1
036.0	BAC.MGTS-NMGTS(MGCCL M GTS	1																					1
005.2	C. PERFRINGENS	1																					1
008.43	CAMPYLOBACTER	2	1						1		2		2		2								10
558.2	CLOSTRIDIUM DIFFICILE	83	6		3		2		1		6		8		4								113
007.8	CRYPTOSPORIDIOSIS	1											1										2
008.0	E.COLI 0157	1							1		1		1										4
007.1	GIARDIA LAMBLIA	3									2				1		1						7
070.1	HEPATITIS A	1																					1
070.51	HEPATITIS C	18					1		3	1			1						1		1		26
054.8	HERPES-W-UNSPEC COMPL	2																					2
084	MALARIA	2																					2
B95.6	MRSA/VRSA	59	1		1			1	3		1		3		3	9	9	30	8			1	129
072.9	MUMPS	1																					1
728.86	NECROTIZING FASCIITIS								1										1				2
036.89	NEISSERIA MGTS(0ther)	1																					1
033.0	PERTUSSIS	4																					4
003.0	SALMONELLA	9	1	1					2		2				1				1				17
004	SHIGELLOSIS	1																					1
038.2	STREP.PNEUMOCOCCAL SE PTIC	2																	1				3
011	TUBERCULOSIS - RESP.	2																2					4
B96.8	VANCOMYCIN RES. ENTER.	3					1				1												5
		198	**9**	**1**	**4**		**4**	**1**	**12**	**1**	**15**		**16**		**11**	**9**	**10**	**32**	**12**		**1**	**1**	**337**
Missing Investigation Forms (01/01/2005 - 12/31/2005)		99	9	1	1		9	5	1	2	3		34		1		4	4	2		2	1	178

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

STD Infection Summary Report - January 2006

	MONTHLY TOTAL		YEAR-TO-DATE	
DISEASE/INFECTION	**2005**	**2006**	**2005**	**2006**
All Chlamydia Infections	317	376	317	376
All Gonorrhea Infections (including PRNG)	67	149	67	149
All Syphilis Infections	3	6	3	6
Gonorrhea & Chlamydia Co-infections	29	45	29	45
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	8	10	8	10

Total Number of STD Cases by Age and Gender - January 2006

	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 +		Missing age/gender	Total
Disease Name	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**		
Chlamydia Only Cases	1						9		81	24	72	43	36	24	15	16		7	1	2				331
Gonorrhea Only Cases							1		12	9	8	15	10	13	6	12	1	7		5	1	4		104
Syphilis Only Cases												1				2		2				1		6
GC and CT Cases							1		12	7	6	5	3	5		5		1						45
	1						11		105	40	86	64	49	42	21	35	1	17	1	7	1	5		486
HIV							1		2		1				2	2		2						10

Regional STD Distribution - January 2006

Disease/Infection	**Winnipeg**	**Brandon**	**N.Eastman**		**S.Eastman**		**Interlake**		**Central**		**Assiniboine**		**Parkland**		**Norman**		**Burntwood**		**Churchill**	**OOP**	**Missing**	**TOTAL**
Case Referred to:*			***F***	***P***	***F***	***P***	***F***	***P***	***F***	***P***	***F***	***P***	***F***	***P***	***F***	***P***	***F***	***P***				
All Chlamydia Infections	185	15	7	6		7	3	18		23		8	1	15	3	16	48	18		2	1	376
All Gonorrhea Infections	88	2	1	5			2	3		5		1	1	2	1	8	27	3				149
All Syphilis Infections	6																					6
GC and CT Infections	22	1		3			1	1					1	2	1	1	11	1				45

Missing Investigation Forms (01/01/2005 - 12/31/2005)																					
	133	12	11	4		3	2	8	1	6		9	1	4	1	9	18	5		1		228

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction